What is claimed is:

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		1. A method comprising:
B	$\sqrt{2}$	receiving a requested location;
	3	selecting, based on the requested location, a first pre-existing map tile and its
,	4	corresponding miniaturized representation from a plurality of preexisting map
	5	tiles and their corresponding miniaturized representations, the first pre-
H W H W SP N K.DI H L LP N H H L H State S	6	existing map tile containing a representation of an area that comprises the
	7	requested location;
	8	selecting further a first set of adjacent map tiles and their corresponding
	9	miniaturized representations from the plurality of preexisting map tiles and
	10	their corresponding miniaturized representations, the first set of adjacent map
# = # = # = # = # = # = # = # = # = # =	11 1	tiles containing representations of areas immediately adjacent to the area
	12	represented by the first map tile, and
į	13	sending the selected first map tile, the miniaturized representation of the first map
	14	tile, the first set of adjacent map tiles, and the miniaturized representations of
	15	the first set of adjacent map tiles.
	1	2. The method of claim 1 further comprising sending processing logic to form a mini
	2	map and a visibility area demarcation within the mini map, using said

rm a mini map and a visibility area demarcation within the mini map, using said

miniaturized-representations of the map tiles, the visibility area demarcation

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4	denoting an area within the mini map corresponding to the area represented by the
5	first map tile.
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1	3. The method of claim 1 further comprising
2	selecting a second set of adjacent map tiles and their corresponding miniaturized
3	representations from the plurality of preexisting map tiles and their
4	corresponding miniaturized representations, the second set of adjacent map
5	tiles containing representations of areas immediately adjacent to the area
6	represented by the first set of adjacent map tiles;
7	sending the second set of adjacent map tiles and their corresponding miniaturized
8	representations.
1	4. The method of claim 1 wherein the requested location comprises a street address.
1	5. The method of claim 1 wherein the requested location comprises a longitude and a
2	latitude.
1	6. The method of claim 1 wherein the set of adjacent map tiles comprises:
2	a plurality of graphical image of the areas immediately adjacent to the area
3	represented by the first map tile.
1	7. The method of claim 1 further comprising sending information describing a visible
2	area to be displayed, the visible area comprising selected portions of the areas represented
3	by the set of first adjacent man tiles and the selected first man tile

1	8.	A method comprising:
2		receiving a set of one or more preexisting map tiles along with corresponding
3		miniaturized representations of the map tiles, from a server, for display, each
4		map tile in the set of one or more preexisting map tiles comprising at least a
5		graphical image representing an area, with one map tile comprising a
6		graphical image representing an area comprising a requested location, and the
7		other map tiles comprising graphical images representing areas immediately
8		adjacent to the area comprising the requested location;
9		forming a mini-map using said miniaturized representations of said map tiles; and
10		displaying for a user, a map for an area within the areas represented by the set of
11		one or more preexisting map tiles and a mini map with the area corresponding
12		to the displayed map denoted thereon.
1	9. T	he method of claim 8 further comprising:
2		receiving, from a user, a request to move in a direction relative to the area of the
3		displayed map, the request being provided by the user interacting with the
4		mini map; and
5		refreshing the displayed map to display a new area reflective of the requested
6		move.
1	10	The method of claim 9 further comprising sending a request for additional map tiles

and their miniaturized representations, the additional map tiles representing additional

areas in the direction of the requested move.

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11. An apparatus comprising:

2	storage medium having stored therein a plurality of executable instructions, wherein
3	when executed, the instructions operate the apparatus to
4	receive a requested location,
5	select, based on the requested location, a first pre-existing map tile and its
6	corresponding miniaturized representation from a plurality of preexisting map
7	tiles and their corresponding miniaturized representations, the first pre-
8	existing map tile containing a representation of an area that comprises the
9	requested location,
10	select further a first set of adjacent map tiles and their corresponding miniaturized
11	representations from the plurality of preexisting map tiles and their
12	corresponding miniaturized representations, the first set of adjacent map tiles
13	containing representations of areas immediately adjacent to the area
14	represented by the first map tile, and
15	send the selected first map tile, the miniaturized representation of the first map
16	tile, the first set of adjacent map tiles, and the miniaturized representations of
17	the first set of adjacent map tiles; and
18	
19	at least one processor coupled to the storage medium to execute the instructions.

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1	12. The apparatus of claim 11, wherein the executing instructions further operate the
2	apparatus to
3	select a second set of adjacent map tiles and their miniaturized representations
4	from the plurality of preexisting map tiles and their miniaturized
5	representations, the second set of adjacent map tiles containing representations
6	of areas immediately adjacent to the areas represented by the first set of
7	adjacent map tiles, and
8	send the second set of adjacent map tiles and their corresponding miniaturized
9	representations.
1	13. An apparatus comprising:
2	storage medium having stored therein a plurality of executable instructions, wherein
3	when executed, the instructions operate the apparatus to
4	receive a set of one or more preexisting map tiles along with corresponding
5	miniaturized representations of the map tiles, from a server, for display, each
6	map tile in the set of one of more preexisting map tiles comprising at least a
7	graphical image representing an area, with one map tile comprising a
8	graphical image representing an area comprising a requested location, and the
9	other map tiles comprising graphical images representing areas immediately
10	adjacent to the area comprising the requested location,
11	form a mini-map using said miniaturized representations of said map tiles; and

12	display for a user, a map for an area within the areas represented by the set of one
13	or more preexisting map tiles and a mini map with the area corresponding to
14	the displayed map denoted thereon; and
15	
16	at least one processor coupled to the storage medium to execute the instructions.
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1	14. The apparatus of claim 13, wherein the executing instructions further operate the
2	apparatus to
3	receive, from a user, a request to move in a direction relative to the area of the
4	displayed map, the request being provided by the user interacting with the
5	mini map; and
6	refresh the displayed map to display a new area reflective of the requested move.
1	15. A method comprising:
2	displaying a map for an area within a greater area;
3	displaying a mini map representative of the greater area;
4	displaying a visibility demarcation denoting an area within the mini map
5	corresponding to the area of the displayed map; and
6	facilitating user interaction with the visibility demarcation to facilitate user
7	panning of the greater area.
1	16. The method of claim 15 further comprising refreshing the displayed map
2	responsive to user movement of the visibility demarcation within the mini
3	map. (

1	17.	The method of claim 15 further comprising updating the greater area
2		represented by the mini map responsive user movement of the visibility
3		demarcation within the mini map.
1	18.	The method of claim 17 further comprising maintaining the visibility
2		demarcation substantially at the center of the mini map.
1	19.	An apparatus comprising:
2	sto	orage medium having stored thereon programming instructions, when executed,
3		operate the apparatus to
4		display a map for an area within a greater area,
5		display a mini map representative of the greater area,
6		display a visibility demarcation denoting an area within the mini map
7		corresponding to the area of the displayed map, and
8		facilitate user interaction with the visibility demarcation to facilitate user
9		panning of the greater area; and
10	at	least one processor coupled to the storage medium to execute the programming
11		instructions.
1	20.	The apparatus of claim 15, wherein the programming instructions, when
2		executed, further operate the apparatus to refresh the displayed map
3		responsive to user movement of the visibility demarcation within the mini
4		map.
1	21.	The apparatus of claim 15, wherein the programming instructions, when
2		executed, further operate the apparatus to update the greater area represented
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3		by the mini map responsive user movement of the visibility demarcation
4		within the mini map.
1	22.	The apparatus of claim 15, wherein the programming instructions, when
2		executed, further operate the apparatus to maintain the visibility demarcation
3		substantially at the center of the mini map.
1	23.	A method comprising:
2	pro	oviding mapping data to client to enable the client to display a map for an area
3		within a greater area;
4	pro	oviding miniaturization data corresponding to the mapping data to enable the
5		client to display a mini map representative of the greater area; and
6	pro	oviding instructions to the client to enable the client to display a visibility
7		demarcation denoting an area within the mini map corresponding to the area
8		of the displayed map, and facilitate user interaction with the visibility
9		demarcation to facilitate user panning of the greater area.
1	24.	The method of claim 23 further comprising providing additional mapping data
2		to the client to enable the client to update the greater area represented by the
3		mini map in response to user movement of the visibility demarcation within
4		the mini map.
1	25.	An apparatus comprising:
2	sto	orage medium having stored thereon programming instructions, when executed,
3		operate the apparatus to
4		provide mapping data to a client to facilitate the client to display a map for
5		an area within a greater area,
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6		provide miniaturization data corresponding to the mapping data to
7		facilitate the client to display a mini map representative of the greater
8		area, and
9		provide instructions to the client to enable the client to display a visibility
10		demarcation denoting an area within the mini map corresponding to
11		the area of the displayed map, and facilitate user interaction with the
12		visibility demarcation to facilitate user panning of the greater area; and
13	at	least one processor coupled to the storage medium to execute the programming
14		instructions.
1	26.	The apparatus of claim 25, wherein the programming instructions, when
2		executed, further operate the apparatus to refresh the displayed map
3		responsive to user movement of the visibility demarcation within the mini
4		map.
5	27.	The apparatus of claim 15, wherein the programming instructions, when
		executed, further operate the apparatus to provide additional mapping data to
		the client to enable the client to update the greater area represented by the
		mini map in response to user movement of the visibility demarcation within
		the mini map.
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